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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****DECLARATION FOR PATENT APPLICATION**

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MICRONEEDLE ARRAY SYSTEMS

the specification of which was filed on December 20, 2001 as Application No. 10/027115.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Ropes & Gray, One International Place, Boston, Massachusetts 02110-2624, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

☒ no such foreign applications have been filed

☐ such foreign application have been filed as follows:

Attorney Docket No.: BVTP-P01-029

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| | | | Yes No |
| | | | Yes No |
| | | | Yes No |

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

| Application Number | Country | Date of Filing |
|--------------------|---------|----------------|
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CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

- ☐ no such U.S. provisional applications have been filed.
- ☒ such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|-------------------|--------------------------------------|
| 60/257,757 | December 21, 2000 | x Yes No |
| | | Yes No |
| | | Yes No |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

Attorney Docket No.: BVTP-P01-029

☒ no such U.S./PCT applications have been filed.

☐ such U.S./PCT application have been filed as follows:

| Application Number | Date of Filing | Status (Patented/Pending/Abandoned) |
|--------------------|----------------|--|
| | | |
| | | |
| | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

| | | | | | |
|--------------------|--------|--------------------------|--------|-------------------------|--------|
| Madeline F. Baer | 36,437 | David P. Halstead, Ph.D. | 44,735 | Christopher Natkanski | 50,365 |
| Steven Baglio | 51,426 | Daniel Hamaburg | 36,156 | John D. Quisel | 47,874 |
| J. Steven Baughman | 47,414 | Edward J. Kelly | 38,936 | Spencer H. Schneider | 49,923 |
| Mark W. Bellomy | 51,452 | Charles Larsen | 48,533 | Sanjay Sittani | 48,489 |
| Johnny Y. Chen | 46,614 | Agnes S. Lee | 46,862 | Wolfgang E. Stutius | 40,256 |
| Gloria Fuentes | 47,580 | Paul E. Lewkowicz | 44,870 | Anita Varma | 43,221 |
| Gregory Glover | 34,173 | Yu Lu | 50,306 | Matthew P. Vincent | 36,709 |
| William G. Gosz | 27,787 | Robert A. Mazzarese | 42,852 | Dalila Arguez Wendlandt | 52,351 |
| Patricia Granahan | 32,227 | | | | |

all of Ropes & Gray, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

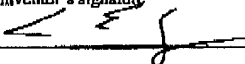
Please mail all correspondence to Agnes S. Lee, whose address is:

Ropes & Gray
One International Place
Boston, Massachusetts 02110-2624

Please direct telephone calls to: Agnes S. Lee at (617) 951-7794.

Please direct facsimiles to: (617) 951-7050

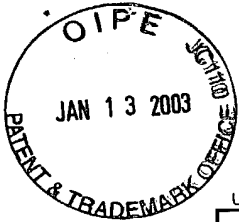
Attorney Docket No.: BVTP-P01-029

| | |
|---|------------------|
| Full name of sole or first inventor Donald E. Ackley | |
| Sole or first inventor's signature  | Date 1/6/2003 |
| Residence Cardiff, California | |
| Citizenship US | |
| Mailing Address 2033 Cambridge Avenue Cardiff, California 92007 | |

| | |
|--------------------------------------|------|
| Full name of second inventor, if any | |
| Second inventor's signature | Date |
| Residence | |
| Citizenship | |
| Mailing Address | |

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|-------------------------------------|------|
| Full name of third inventor, if any | |
| Third inventor's signature | Date |
| Residence | |
| Citizenship | |
| Mailing Address | |

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|--------------------------------------|------|
| Full name of fourth inventor, if any | |
| Fourth inventor's signature | Date |
| Residence | |
| Citizenship | |
| Mailing Address | |



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PTO/SB/122 (10-01)


Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| | | |
|--|-----------------------------|-------------------|
| CHANGE OF CORRESPONDENCE ADDRESS Application Address to: Commissioner for Patents Washington, DC 20231 | Application Number | 10/027115 |
| | Filing Date | December 20, 2001 |
| | First Named Inventor | Donald E. Ackley |
| | Art Unit | 2881 |
| | Examiner Name | Not Yet Assigned |
| | Attorney Docket No. | BVTP-P01-029 |

Please change the Correspondence Address for the above-identified application to:

☒ Customer Number 
OR Customer Number Bar Code

| | | | | | |
|---|------------------------------|-------|----|-----|----------------|
| <input checked="" type="checkbox"/> Firm or Individual Name | Agnes S. Lee ROPES & GRAY | | | | |
| Address | One International Place | | | | |
| City | Boston | State | MA | Zip | 02110-2624 |
| Country | US | | | | |
| Telephone | (617) 951-7000 | | | Fax | (617) 951-7050 |

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

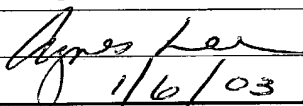
☐ Applicant/Inventor.

☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☐ Attorney or Agent of record.

☒ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number 46,862

Typed or Printed Name Agnes S. Lee

Signature 

Date 1/6/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of 1 forms are submitted.

| | |
|--|---|
| I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date shown below. | |
| Dated: <u>1/6/03</u> | Signature: <u>Joanne Ryan</u> (Joanne Ryan) |



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**GENERAL REVOCATION OF PRIOR POWERS OF ATTORNEY AND
APPOINTMENT OF NEW POWER OF ATTORNEY OR AUTHORIZATION OF AGENTS**

Commissioner for Patents
Washington, DC 20231

Sir:

BioValve Technologies, Inc., hereby revokes all previous powers of attorney and authorizations of agent previously granted for patent application listed on Appendix A.

The following attorneys or agents of the Patent Group at Ropes & Gray, and all other attorneys or agents affiliated with Customer No. 28120, are hereby appointed to prosecute applications and transact all business in the United States Patent and Trademark Office :

I hereby appoint Madeline F. Baer, Reg. No. 36,437; Steven L. Baglio, Reg. No. P-51,426; J. Steven Baughman, Reg. No. 47,414; Mark W. Bellomy, Reg. No. P-51,452; Johnny Y. Chen, Reg. No. 46,614; Gregory G. Glover, Reg. No. 34,173; William G. Gosz, Reg. No.: 27,787; Patricia Granahan, Reg. No. 32,227; David P. Halstead, Reg. No. 44,735; Daniel Hansburg, Reg. No. 36,156; Edward J. Kelly, Reg. No. 38,936; Charles Larsen, Reg. No. 48,533; Agnes S. Lee, Reg. No. 46,862; Paul E. Lewkowicz, Reg. No. 44,870; Yu Lu, Reg. No. 50,306; Christopher T. Natkanski, Reg. No. 50,365; Robert A. Mazzaresse, Reg. No. 42,852; Spencer Schneider, Reg. No. 45,923; Sanjay Sitlani, Reg. No. 48,489; Wolfgang Stutius, Reg. No. 40,256; Matthew P. Vincent, Reg. No. 36,709; Dalila Arguez Wendlandt, Reg. No. P-52,351 as attorneys/agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

**Patent Group
Ropes & Gray
One International Place
Boston, MA 02110**

Customer No.: 28120

The undersigned, whose title is supplied below, is empowered to sign this Revocation and New Power of Attorney on behalf of the Assignee.

Respectfully submitted,

Date

7/16/02

Signature:

PRESIDENT + CEO
Title:

8848446